

Bridge Inspection									
Bridge File Number	08245 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1984/1984				Lot No.	2			
Bridge or Town Name	WASKATENAU				Inspector Name	Kris Bosters			
Located Over	WASKATENAU CREEK, 6.53, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	656:02 C1 12.960				Assistant Name	Brian Cote			
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	11-Dec-2012			
Legal Land Location	SE SEC 6 TWP 60 RGE 19 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-112:49:39, 54:09:05				Data Entry Date	06-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA07				Review Date	19-Dec-2012			
Clear Roadway/Skew	8.8 / 0 deg.				Dept. Reviewer Name	Paul Catt			
AADT/Year	650 / 2011 (A)				Dept. Review Date	18-Jan-2013			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	13								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS225						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	Along south ditch.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Local road intersection 100m East. Passing both directions.				
Vertical Alignment			7	7					
Roadway Width (m)	9.000								
Approach Bump			8	8					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	23.200								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 3 Spans, Lengths(m): 8-8-8, A-Ident Number: </b> )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>	100.0				
Wearing Surface			7	N	(S1 - 5 cracks in ACP along girders. S2 - 3 cracks in ACP along girders. S3 - 3 cracks in ACP along girders.) 10-Sep-2009
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		Yes			Snow covered.
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	
Bump (Y/N)		No			
Deck Drainage			7	N	No deck drains.-10-Sep-2009
Drains Clogged (Y/N)					Snow covered.
Curbs/Median			6	N	2 localized rust spots on S3 due to low cover. Minor plow scrapes. Map cracks and water stains on exterior face.-10-Sep-2009
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Double layer.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts		8	8		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating		7	7		
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			7	7	Water stains from leakage between girders.  1 connector pocket rusting in S1.
Last Complete Inspection Date		11-Dec-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>24</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>7</b>	<b>7</b>	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				8	8	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>630</b> )						
(Width(mm) : <b>550</b> )						
Backwalls/Breastwalls				8	8	
Greatest Height (m)		0.55				
Wingwalls				8	N	Snow drifted in overtop.
(Total Number of Bearing Piles : <b>0:0</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	100					
<b>Now</b>	100	0	0	0		
Piles				N	N	
Paint/Coating				X	5	Coating is peeling 1%.
Abutment Stability				7	7	
Scour/Erosion				4	4	Both headslopes eroded at toes but not affecting abutment stability - photo.
<b>Piers/Bents</b>						
(Type : <b>PIER-COLUMN</b> )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				5	5	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>630</b> )						
(Width(mm) : <b>550</b> )						
(Total Number of Bearing Piles : <b>6:6</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				7	7	
Greatest Height (m)		3.25				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				4	4	Pitting of pile on bottom 600mm. Bottom 1000mm completely gone. Blue paint.-photo
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		4	4	Localized scour hole under bridge, approx 10m long x 6m wide x 0.5m deep.
Debris (Y/N)	Yes			Old piles under bridge.
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				Man made channel.
(D/S Direction : <b>S</b> )				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		4	4	Scour hole under bridge.
(Type : <b>NONE; NONE</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>4</b>	<b>4</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	2013	Trim and armour headslopes.(-60m3CL.1)					
PLACE ADDITIONAL RIP RAP	2013	Repair scour holes.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Remove old piling.					
OTHER ACTION	2013	Paint piles.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.7/64.7</b>	Est. Repl. Yr	2038	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Melanie Johnson		Previous Assistant's Name				
Next Inspection Date	11-Mar-2016		Previous Inspection Date	10-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							